

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-48. Cancelled

49. (Currently Amended) A method for analyzing a sample oligonucleotide sequence comprising:

(a) forming a plurality of microscopic locations on a substrate, wherein each microscopic location is individually electronically addressable;

(b) electronically immobilizing one or more anchor sequences to individually selected microscopic locations, wherein said anchor sequences comprise oligonucleotide sequences which hybridize with the sample oligonucleotide sequence;

(c) contacting a said the sample oligonucleotide sequence with an the anchor sequence sequences comprising an oligonucleotide sequence which is immobilized to a support and which hybridizes with said sample oligonucleotide sequence and with a probe, wherein the probe comprises comprising an oligonucleotide sequence which hybridizes to a target oligonucleotide sequence to be detected in a suitable buffer, to form a complex;

(b) (d) subjecting said complex to a field which moves unbound oligonucleotide sequences away from said anchor sequence sequences in the direction of said field, wherein said field is an electric field; and

(e) (e) determining whether said probe is bound to said sample oligonucleotide sequence.

Claims 50-56. Cancelled.

57. (Currently Amended) The method of claim 49 additionally comprising subjecting the probe to a field which concentrates the probe near the anchor ~~sequence~~ sequences during ~~step(a)~~ step (c).

58. (Previously Presented) The method of claim 49 wherein said probe is from ~~about~~

6 to ~~about~~ 100 bases.

Claims 59-78. Cancelled.